

FIG. 1  
PRIOR ART

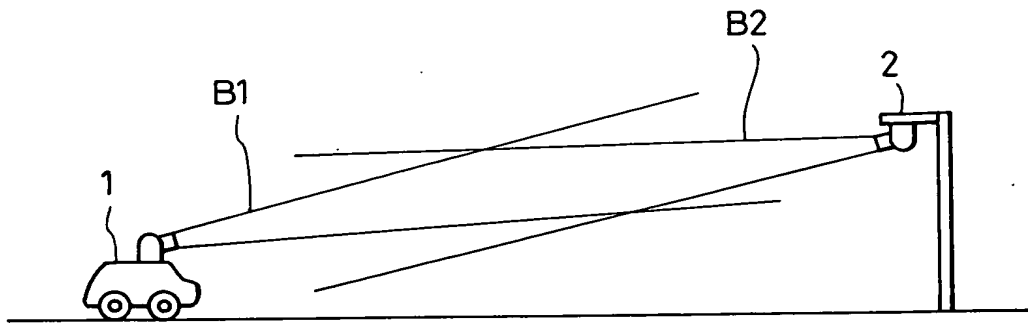
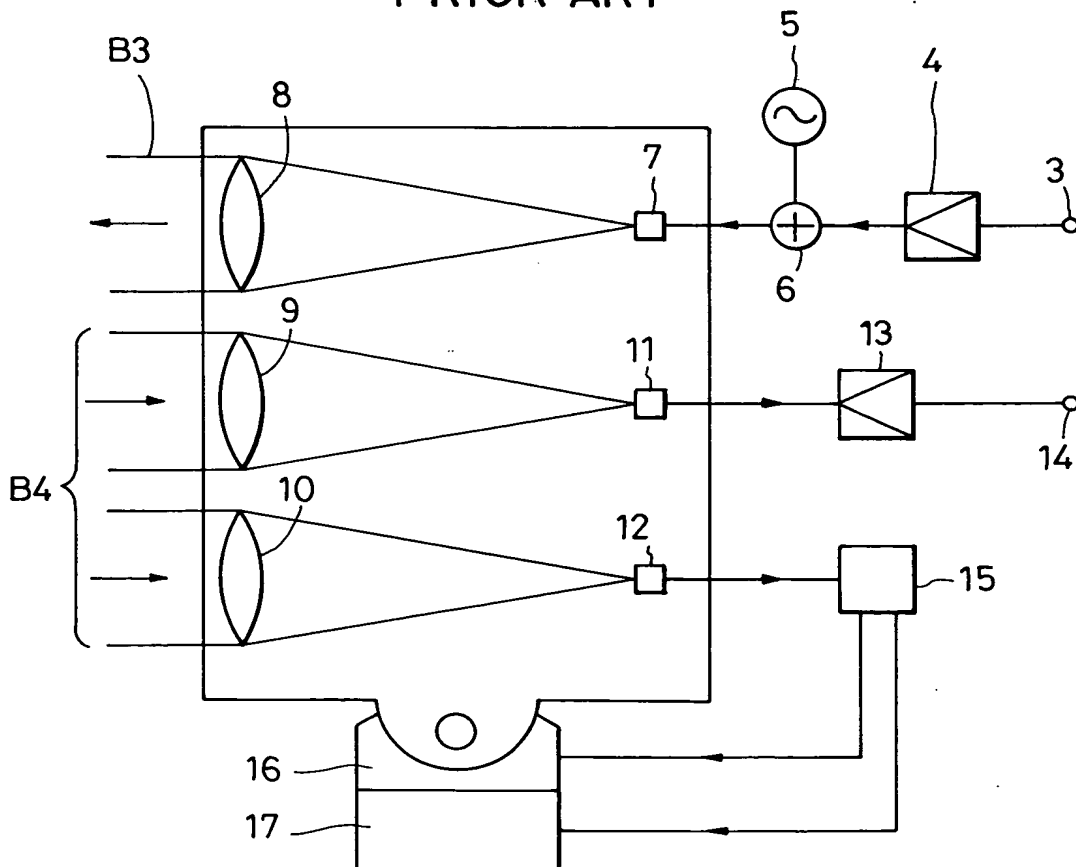


FIG. 2  
PRIOR ART



The diagram illustrates a vehicle-to-infrastructure (V2I) communication system. A vehicle, labeled 1, is positioned on the left side of a road. A base station, labeled 2, is located on the right side of the road. The distance between the vehicle and the base station is denoted by  $L$ . The road is represented by two horizontal lines. Several signal paths are shown as lines originating from the vehicle and terminating at the base station. These paths are grouped into four distinct regions:  $B1a$  and  $B1b$  are located below the road, while  $B2a$  and  $B2b$  are located above the road. The regions  $B1a$  and  $B2a$  are defined by solid lines, while  $B1b$  and  $B2b$  are defined by dashed lines. The base station 2 is depicted as a vertical pole with a small square at its base.

FIG. 5

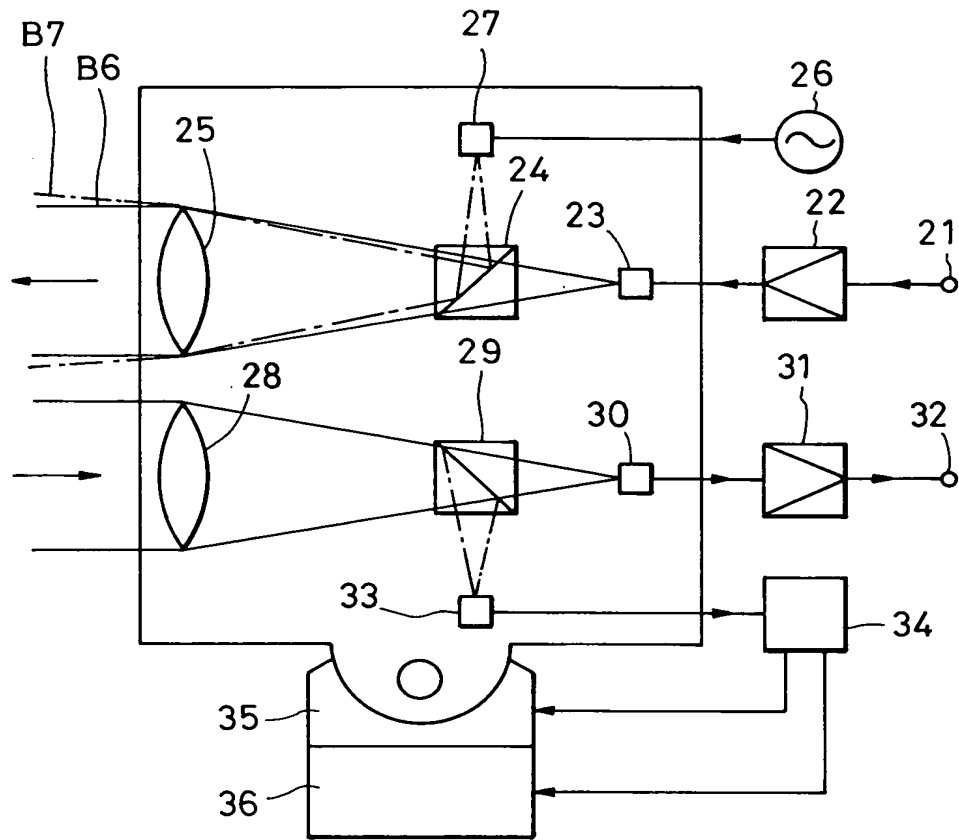


FIG. 6

